86186

On the Representation of Numbers by Positive Quadratic Forms

S/140/60/000/005/013/021
C111/C222

For an arbitrary k_j ($j = 1,2,\ldots,s$) it holds $r_{s,(k)}(n) = r_{s,(2k)}(2n)$. The proof is given with the aid of 16 lemmas which partially overlap with those of T. Estermann (Ref. 1).

§ 2. Let $r_{s,k(l)}(n)$ be the number of representations by forms $\sum_{j=1}^{s} x_j^2$ of a natural n under the condition that $x_j \equiv l_j \pmod{k}$ ($j=1,\ldots,s$). The value $r_{s,k,(l)}(n)$ is given in (Ref. 5). This value is used for giving the number $r_{s_1,s_2}(n)$ of the solutions $x_1,\ldots,x_{s_1}$, $y_1,\ldots,y_{s_2}$ of the equation

(5) $x_1^2 + \ldots + x_{s_1}^2 + y_1^2 + \ldots + y_{s_2}^2 = n$,

where $s_1 \geq 0$, $s_2 \geq 0$, $s_1 + s_2 = s > 0$ and the x_i are even and the y_i are odd.

Theorem 2 :

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$$(16)\quad r_{s_1,s_2}(n) = \frac{\chi_{s_1,s_2,2,0,1}(2)}{2^s \chi(2)}\, r_s(n) \quad \begin{cases} s = 5,\ n - \text{arbitrary}, \\ s = 6,\ n \not\equiv 1 \pmod 4, \\ s = 7,\ n \not\equiv 1,2 \pmod 4, \\ s = 8,\ n \equiv 0 \pmod 4. \end{cases}$$

$$(17)\quad \chi_{0,s_2,2}(2) = \chi_{0,s_2,4}(2) = \begin{cases} 0, & 8 \nmid n - s_2, \\ 8, & 8 \mid n - s_2 \end{cases}$$

$$(18)\quad \chi_{s_1,0,2}(2) = 4\chi(2, n_1), \quad \text{where} \quad n_1 = \frac{n}{4},$$

$$(19)\quad \chi_{s_1,s_2,2,0,1}(2) = \begin{cases} 0, & 4 \nmid n - s_2, \\ 4, & 4 \mid n - s_2. \end{cases}$$

$$(20)\quad \chi_{0,s_2,8}(2) = \begin{cases} 0, & 16 \nmid n - s_2 \\ 16, & 16 \mid n - s_2 \end{cases}$$

Here it is :

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$$(14) \qquad r_s(n) = \sum_{x_1^2 + \ldots + x_s^2 = n} 1 \quad .$$

Theorem 3 :

$$(34) \qquad r_{s,4,(l)}(n) = \frac{1}{2^s} r_{s,2,1}(n) \qquad (l = 1,3) \quad .$$

The author thanks his scientific leader A.A. Kiselev, Dotsent, and mentions Bulygin, Uspenskiy, A.Z. Val'fish and G.A. Lomadze.
There are 5 references: 4 Soviet and 1 Swedish.
[Abstracter's note : (Ref. 5) is a paper of the author in Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1960, No. 3]

SUBMITTED: September 29, 1958

NANAY, Andor, dr.

Cholelithiasis causing intestinal obstruction. Magy. sebeszet 9 no.1:14-19 Feb 56.

1. A Bajai Varosi Tanacs Korhaza (igazgato: Burg Ede dr.) sebeszeti osztalyanak (osztalyvezeto foorvos: Nanay Andor dr.) kozlemenye.

(CHOLELITHIASIS, compl.
intestinal obstruction & fistulas, pathogen., diag. & surg. (Hun))
(INTESTINAL OBSTRUCTION, etiol. & pathogen.
cholelithiasis, pathogen., diag. & surg. (Hun))
(INTESTINES, fistula
caused by cholelithiasis. (Hun))
(FISTULA
intestinal, caused by cholelithiasis. (Hun))

NANAYEVA, M. T. (Phys)

NANAYEVA, M. T. (Phys) -- "Comparative Effect on the Central Nervous System and the Circulatory System of Derivatives of Caffeine, Methylcaffeine, Diuretin, and Theophylline." Sub 22 Sep 52, Second Moscow State Medical Inst imeni I. V. Stalin (Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

SENTYURIN, B.S., professor; PRAVDIN, N.S. professor: MOZGOV, Ye.I., professor; ZAKUTINSKIY, D.I., professor; SANOTSKIY, V.A., professor; DOZORTSEVA, P.M.; MANAYEVA, M.T.; MITSKIS, A.M.; SAMOYLOVA, Z.T.

Pharmacology and Toxicology Section of the Moscow Society of Physiologists, Biochemists and Pharmacologists. Farm.i toks. 16 no.2:54-56 Mr-Ap '53. (MLRA 6:6)

1. VNIKhFI (for Dozortseva). 2. Moskovskaya veterinarnaya akademiya (for Mozgov). 3. Sektsiya farmakologii i toksikologii Moskovskogo obshchestva fiziologov, biokhimikov i farmakologov.

(Pharmacology--Societies) (Physiology--Societies) (Biochemistry--Societies)

USSR / Pharmacology, Toxicology. Analeptics. V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85097.

Author : Nanayeva, M. T.
Inst : Kirghiz Medical Institute.
Title : The Influence of Caffeine, Methylcaffeine, Diurethine, and Theophylline on the Interoreceptors of the Spleen, Small Intestine, and Hind Limbs.

Orig Pub: Tr. Kirg. med. in-ta, 1957, Vol 9, 92-94.

Abstract: Cats under urethane anesthesia were given the above-named substances into the above-named organs through rubber tube in amounts of 5 ml within a period of 15 sec. Over the succeeding five minutes a count was taken of the number of drops of liquid issuing

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NANAZIASHVILI, B.S., inzh.; PLYUSHCH, B.M., dotsent, kand. tekhn. nauk; SARKISYAN, V.O., dotsent, kand. tekhn. nauk; KULIKOV, B.A., inzh.

Servo system with a photoelectric converter. Izv. vys. ucheb. zav.; energ. 2 no.10:34-39 O '59. (MIRA 13:3)

1.Azerbaydzhanskiy ordena Trudovogo Krasnogo Znameni institut nefti i khimii imeni M. Azizbekova. Predstavlena kafedroy elektroprivoda, elektricheskikh mashin i elektrooborudovaniya prompredpriyatiy.
(Servomechanisms)

NANAZIASHVILI, Boris Semenovich, assistent; PLYUSHCH, Boris Maksimovich, dotsent, kand.tekhn.nauk; SARKISYAN, Vachagan Ovanesovich, dotsent, kand.tekhn.nauk; KULIKOV, Boris Alekseyevich, prepodavatel'

Pickup with a photoelectric device for propotional-integral control. Izv.vys.ucheb.zav.; elektro-mekh. 3 no.1:60. (MIRA 13:5)

1. Zaveduyushchiy kafedroy elektroprivoda, elektricheskikh mashin i elektrooborudovaniya promyshlennykh predpriyatiy Azerbaydzhanskogo industrial'nogo instituta (for Plyushch).
2. Kafedra elektroprivoda, elektricheskikh mashin i elektrooborudovaniya promyshlennykh predpriyatiy Azerbaydzhanskogo industrial'nogo instituta (for Nanaziashvili, Sarkisyan, Kulikov).
(Automatic control)

PLYUSHCH, B.M., kand.tekhn.nauk; ALIYEV, I.A., kand.tekhn.nauk;
NANAZIASHVILI, B.S., inzh.

Compounding of synchronous drives with field exciting machinery.
Vest. elektroprom. 32 no.11:26-29 N '61. (MIRA 14:11)
(Electric motors, Synchronous)

ALIYEV, I.A.; NANAZIASHVILI, B.S.; PLYUSHCH, B.M.; SARKISYAN, V.O.

Automated electric drive of a sidewall core lifter. Izv. vys. ucheb. zav.; neft' i gaz 6 no.8:87-90 '63.

(MIRA 17:6)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova.

Nanaziashvili, I. S.

"Experience gained in the study of stomach and skin temperature with the aid of ETM-3 electrothermometer in health resort practice." Novye khirurgicheskie apparaty i instrumenty i opyt ikh primeneniya, No. 2, ~~1961~~ 1958, p. 86

Essentuki Clinical Dept of the Balneological Inst.

VISHNEVSKIY, A.S., prof.; NANAZIASHVILI, I.S., nauchnyy sotrudnik; prinimali uchastiye: KOVALENKO, M.D.; ZHEMARTSEVA, T.I.; LENSKIY, B.S.

Health resort treatment of severe forms of hepatitis and cirrhosis of the liver. Uch.zap.Pyat.gos.nauch.-issl.bal'n.inst. 3:117-131 '60. (MIRA 15:10)

1. Sanatoriy No.7, Yessentuki (for Kovalenko). 2. Sanatoriy No.11 Yessentuki (for Zhemartseva). 3. Sanatoriy imeni I.M.Sechenova Yessentuji (for Lenskiy).

(LIVER--CIRRHOSIS) (LIVER--DISEASES)
(YESSENTUKI--HEALTH RESORTS, WATERING-PLACES, ETC.)

SAAKYAN, A.G.; NANAZIASHVILI, I.S.; GOVENKO, G.I.

Effect of some hormone preparations on the motor activity of the stomach and small and large intestines in chronic colitis patients. Probl. endok. i gorm. 10 no.1:50-54 Ja-F '64.

(MIRA 17:10)

1. Gastroenterologicheskoye otdeleniye (zav. - kand. med. nauk A.G. Saarkyan) Yessentukskoy kliniki (glavnyy vrach A.F. Starshikov) Pyatigorskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii (dir. - kand. med. nauk Ye.A. Kamenskiy).

NANAZIASHVILI, I.S.

Effect of treatment at the Yessentuki Health Resort on the functional state of the adrenal cortex in chronic cholecystitis of infectious etiology. Vop. kur., fizioter. i lech. fiz. kul't. 29 no.1:27-33 '64. (MIRA 17:9)

1. Iz Yessentukskoy kliniki Pyatigorskogo instituta kurortologii i fizioterapii (dir.- kand. med. nauk Ye.A. Kamenskiy).

NANAZIASHVILI, I.S. (Yessentuki)

Functional state of the adrenal cortex in patients with chronic infectious cholecystitis. Probl. endok. i gorm. 9 no.3:80-84 My-Je '63. (MIRA 17:1)

1. Iz Yessentukskoy kliniki Pyatigorskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii (dir. - kand. med. nauk Ye.A. Smirnov-Kamenskiy).

SAAKYAN, A.G.; NANAZIASHVILI, I.S. [Yessen uki]

Effect of some food products and mineral waters on the motor function of the small intestine in chronic colitis. Vop. pit. 22 no.6:21-26 N-D '63. (MIRA 17:7)

1. Iz gastroenterologicheskogo otdeleniya (zav. - kand. med. nauk A.G. Saakyan) Yessentukskoy klinikii i Pyatigorskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii.

SAAKYAN, A.G.; NANAZIASHVILI, I.Z.

Rectal interoceptors and their significance in the act of defecation in chronic colitis. Terap. arkh. 35 no.1:65-70 Ja'63. (MIRA 16:9)

1. Iz gastroenterologicheskogo atdeleniya (zav. - kand.med. nauk A.G. Saakyan) Yessentukskoy kliniki (glavnyy vrach, A.F. Starshikov) Pyatigorskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii (dir. - kand.med.nauk Ye.A. Smirnov - Kamenskiy)
(COLITIS) (DEFECATION) (RECTUM--INNERVATION)

BULGARIA / Diseases of Farm Animals. General Problems. R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7419

Author : Prakhov, P.; Nanchev, I.
Inst : Bulgarian AS, Institute of Animal Husbandry
Title : Inflating the Vagina as a Means of Treating "Retention" of Milk by Cows and Female Buffaloes

Orig Pub : Izv. In-ta zhivotnov"dstvo. B"lg. AN, 1957, kn. 8, 203-220

Abstract : Inflating with air was successfully applied in "retention" of milk which occurred as a result of the inhibitory reflex appearing in agalactia after parturition. Ten to fifteen minutes before milking an inner football tube was placed into the vagina and then inflated with air which was pumped in through a rubber hose until the animal hunched slightly and spread his legs; then the hose was tied and the inner tube was

Card 1/2

NANCHEV, N., prof. inzh.

Some remarks on the criticism of V.Lukov. Tekhnika Bulg 3 no.3:32 Mr '54.

NANCHEV, N., prof. inzh.

Electrification in the second five-year plan. Tekhnika Bulg 3 no.4:1-3 Ap '54.

NANCHEV, N.

Star-grounding in our 110-kilovolt system. p.6.
(Elektroenegiia Vol. 6, no. 6, June 1955, Sofiya)

SO: Monthly List of East European Accessions, (EEAL). LC, Vol. 4, No. 11, Nov. 1955, Uncl.

NANCHEV, N.

NANCHEV, N. About the utilization of our electric-power stations with a free system of operation. p. 1.

Vol . 5, No. 4, July/Aug. 1956.
TEKHNIKA
TECHNOLOGY
Sofiia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

NANCHEV, N., prof.

Some of our technoscientific tasks. Nauka i tekh mladezh no.8:7 Ag '57.

NANCHEV, N.

"Criticism of an Electric Engineer."

p. 22 (Elektroenergiia, Vol. 9, No. 5, May 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

NANCHEV, N., prof.

Lightning. Nauka i tekh z mladezh no.10:26-28 '61.

(Lightning)

NANCHEV, Nancho

Electric puncture in sand. Tekhnika 10 no.10:15-17 '61.

NANCHEV, Nancho, prof.

Some investigation of the light type valve outlet for 20 kv. Elektroenergiia 12 no.9:11-14 '61.

(Electric current rectifiers)

22785
S/057/61/031/005/016/020
B104/B205

9,4300 (1136, 1145, 1153)

AUTHOR: Nanchev, N.

TITLE: Breakdown in sand

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 5, 1961, 616-620

TEXT: The Laboratory for High-voltage Engineering of the Sofia Institute for Electric Machinery has carried out an experimental study of the breakdown in sand and broken porcelain of varying grain size, using both alternating and direct current. Voltage-time diagrams were taken, and also the dependence of the breakdown voltage on the electrode spacing and pressure was studied. The tests included the pulse-voltage breakdown between a plate-shaped electrode and a point electrode at both standard (Fig. 1) and elevated pressures (Figs. 2 and 3). The effect of a positive or negative point electrode was investigated at the same time. Fig.4 shows various volt-second characteristics of pulse-voltage breakdown in sand for a negative point electrode. Results of experiments with direct current are graphically represented in Fig. 6. Summing up: The particular phenomena observed in the experiments described here are

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Breakdown in sand

attributed to the formation of negative and positive volume charges. The maximum of breakdown voltage in the case of a positive point electrode can be explained by the change of the positive volume charge in connection with the varying intensity of formation of negative ions and their recombination with positive ones. The positive volume charge attains a minimum at a certain pressure. The time lag in sand is less than in air. This is probably related to the dynamic development of breakdown and cannot be explained easily. At elevated pressure, the character of discharge in sand resembles that in air in many respects. There are 6 figures and 2 Soviet-bloc references.

SUBMITTED: October 9, 1959

Card 2/6

NANCHEV, Nancho, prof.

Trends in the development of the high and superhigh electric-power transmission in Bulgaria. Elektroenergiia 13 no.8:1-5 Ag '62.

NANGHEV, N.; GEORGIEV, M.

Overvoltages in the substations with cable lines. Godishnik mash elekt 13 no.2:213-217 '63 [publ. '64].

NANCHEV, Nancho, prof.

Prospects of power engineering in Bulgaria. Nauka i tekh mladezh 15 no.5:3-5 My'63

1. Chlen na Redaktsionnata kolegiia, "Nauka i tekhnika za mladezhta".

NANCHEV, N., prof.; IOTOV, I., inzh.

Breakdowns casued by atmospheric overvoltage in 20 kv. networks.
Elektroenergiia 16 no.1:8-14 Ja '65.

NANCHEV, Stefan, inzh.

Automatic control of transformer voltage. Elektroenergiia 13 no.4:7-11 Ap '62.

NANCHEV, Stefan, inzh.

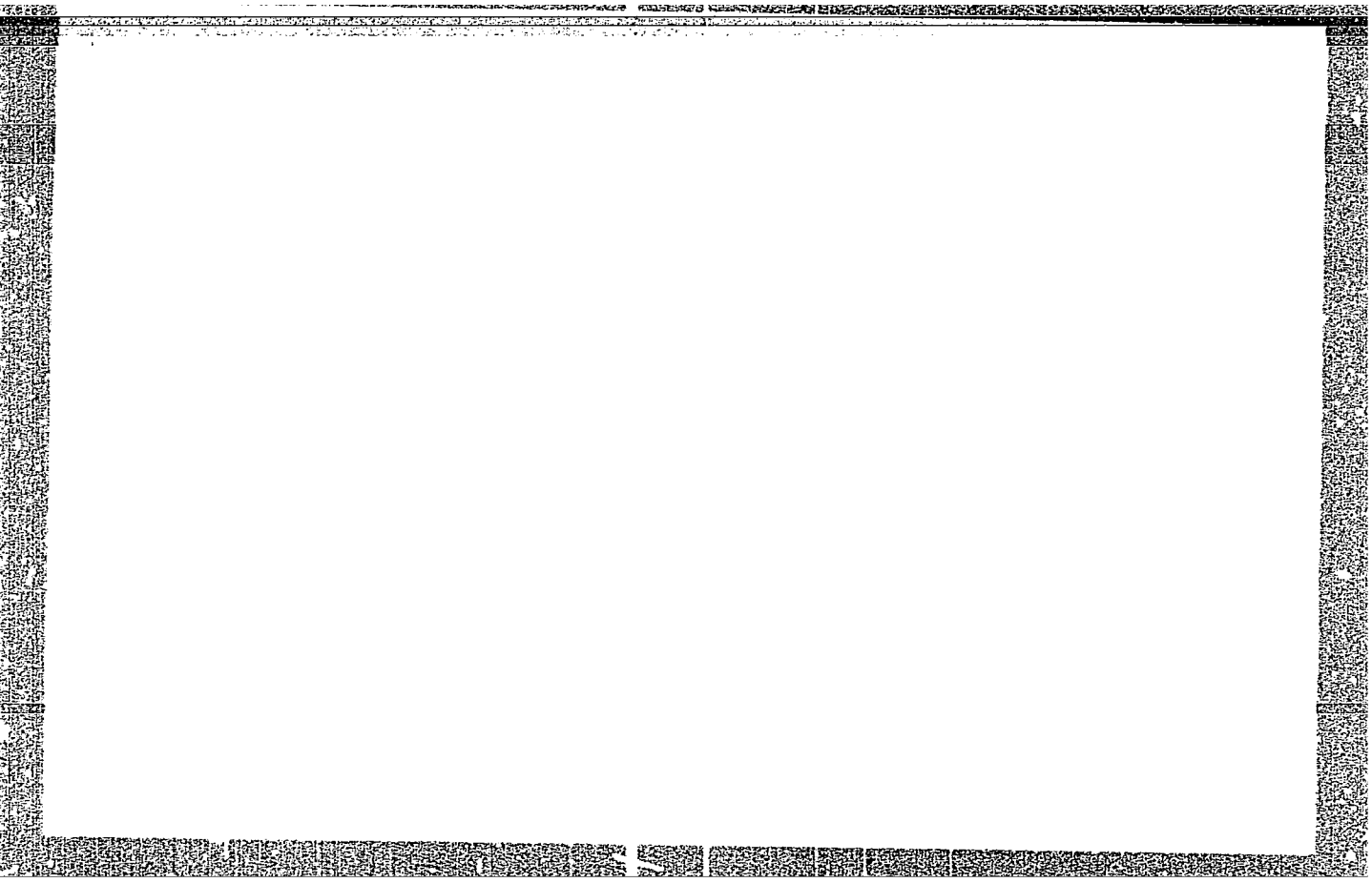
Automatic regulation of step-up transformers. Elektroenergiia 15 no.11:9-12 N '64.

NANCHEV, Stefan, inzh. (Narodnaya Respublika Bolgariya)

Regulation of transformer switchings in closed-loop networks.
Elektrichestvo no.6:12-15 Je '65. (MIRA 18:7)

NANCHEV, S.N.

Countorregulation in the adjustment of loaded transformers in power distribution networks. Godishnik mash elekt 13 no.2:275-286 '63 [publ. '64]



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020

NANDORI, GYULA

B. T. R.
June 1954
Metals-Foundry Practice

8427* Problems of the Material for the Charge of Modified Cast Iron. (Hungarian.) Gyula Nándori. Öntöde, v. 5, no. 1, Jan. 1951, p. 9-17.

High-strength cast irons manufatcured with Hungarian equipment and raw material. Relative merits of cupola and reverberatory furnaces. Diagrams, micrographs, tables. 32 ref

NANDORI, Gy., Kandidat der technischen Wissenschaften

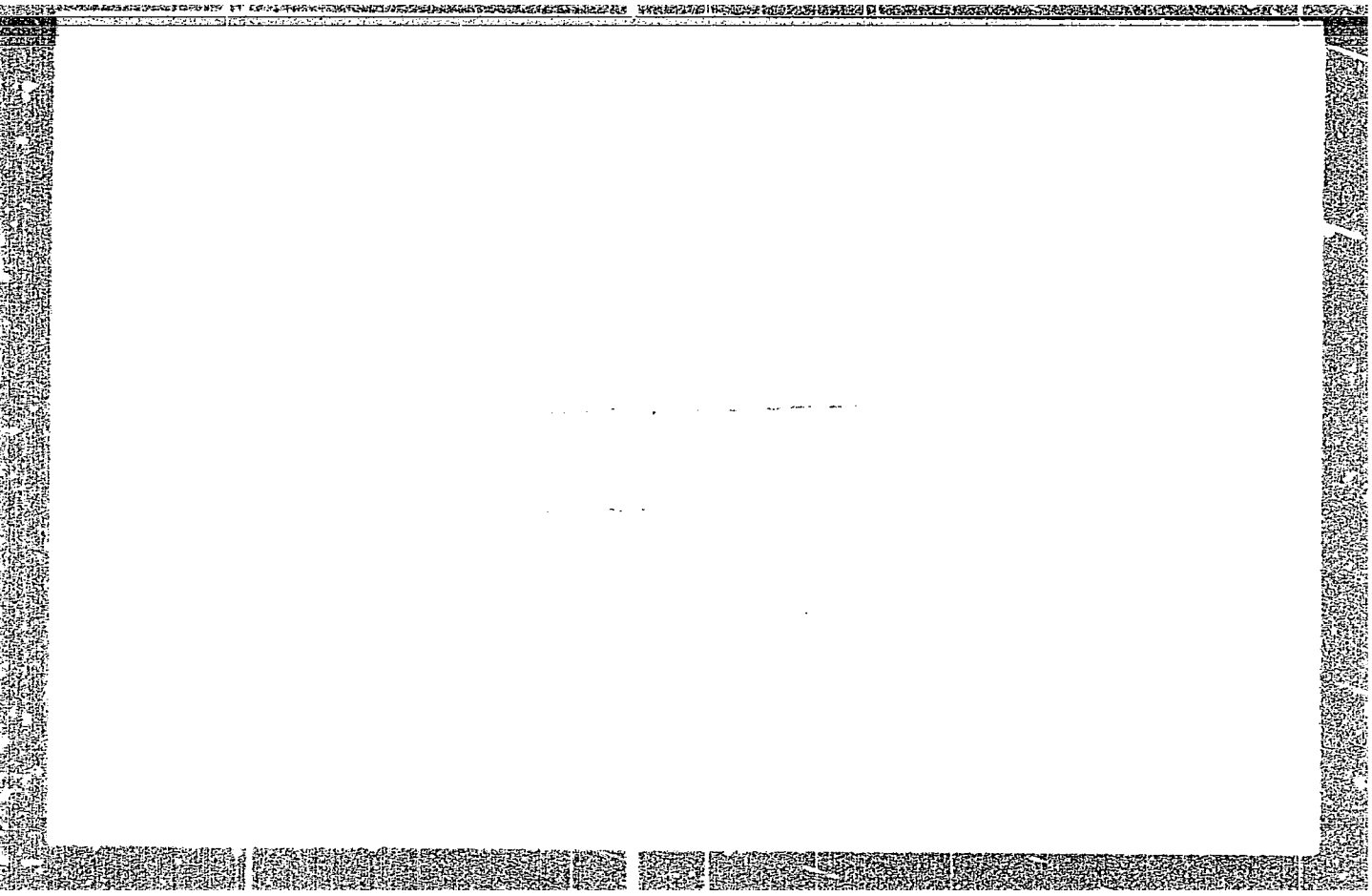
Examination of characteristic data on the linear shrinkage of the gray iron. Acta techn Hung 49 no.1/2:111-130 '64.

1. Lehrstuhl fur Eisenhuttenkunde der Technischen Universitat fur Schwerindustrie, Miskolc.

NANDORI, GY.

Remarks on the use in foundries of "coal foam" as a foundry coating instead of graphite. p. 208. KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest. Vol. 9, no. 9, Sept. 1954.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, no. 6, June 1956



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020

NANDORI, GY.

NANDORI, GY. Observing the oxidation process on the surface of molten cast iron.
p. 249.

Vol. 10, No. 11, Nov. 1955.
FOHASZATI LAPOK
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

NANDORI, GY,

Some remarks on the processes of oxidation occurring on the surface of liquid cast iron. p. 49.
(ONTODE. Vol. 8, no. 3, Mar. 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

NANDORI, GY.

Investigating the origin and the presence of silica impurities in cast iron.
p.225

KOHASZATI KAPOK. (Magyar Banyaszati es Kohaszati Egyesult)
Budapest, Hungary
Vol. 13, no. 10/11, Oct./Nov. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

NANDORI, Gy.

18

102. A survey on the oxidation processes of molten cast iron based on the results of researches conducted in Hungary. Gy. Nándori, *Kohászati Lapok, Ontöde*, Vol. 10, 1959, No. 2—3, pp. 70—77, 11 figs., 3 tabs.

The investigations covered the problems connected with the oxidation of molten cast iron. The effects that atmospheric air, the air bubbled through the melt, and the refining slag strewn on the surface of the molten cast iron exercised on the oxidation of the latter were examined. Atmospheric air primarily oxidizes the main constituent of the melt, *i. e.* the iron. Silicates with high oxide content are formed on the surface of melts with a low manganese content which during cooling may very easily lead to unevenness of the surface and to blisters. Air bubbled through the melt decreases the gas and oxygen contents of the melt. Refining slag strewn on the surface of the melt at regular intervals increases the total gas and oxygen content of the melt in proportion to the oxidation.

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NANDORI, Gyula, a muszaki tudomanyok kandidatusa

Measurement of the volumetric and linear shrinkage of grey cast iron and examination of some shrinkage-influencing factors. Koh lap 93 no.11: Suppl: Ontode 11 no.11:241-247 N '60.

1. Vasipari Kutato Intezet.

NANDORY, Gyorgy

New technological method for direct cord twisting and pneumatic cord manufacture. Magy textil 13 no.7:290-295 Jl '61.

NANDORI, Gyula, dr., okleveles kohomernok, a muszaki tudomanyok kandidatusa

Reactivity tests on oxide silicate slags formed on the surface of molten cast iron. Koh lap 98 no.1:Suppl.: Ontode 16 no.1:17-21 Ja '65.

1. Chair of Iron Metallurgy of Technical University of Heavy Industry, Miskolc.

NANDORI, Gyula, dr., a muszaki tudomanyok kandidatusa

Examination of characteristic data on the linear contraction of grey cast iron. Koh lap 97 no.4: Supplement Ontode 15 no.4: 73-77 Ap'64

[redacted]

1. Nehezipari Muszaki Egyetem.

L 46595-66 EWT(m)
ACC NR: AP6026080 SOURCE CODE: HU/0014/66/000/004/0168/0173

35
B

AUTHOR: Pocze, Laszlo; Nandorne, Karlik (Doctor)

ORG: Radioisotope Laboratory, Csepel Iron and Metal Works, Csepel (Csepeli Vas- es Femmuvek Radioizotop Laboratoriuma)

TITLE: Investigation of the effects of refractory shapes on the formation of occlusions with the aid of radioactive tracer techniques (Occlusion studies on medium sheets and dynamo sheets) 19

SOURCE: Kohaszati lapok, no. 4, 1966, 168-173

TOPIC TAGS: material deformation, radioactivity measurement

ABSTRACT: Various refractory shapes, such as bricks from chamot, magnesite and chrome-magnesite, were investigated as to their contribution to the formation of nonmetallic occlusions in medium sheets and dynamo sheets. The refractory shapes were made radioactive with Ba-140; radiometric measurements were conducted to determine the rate of uptake and occlusion formation. The experimental techniques employed and the results obtained were described in detail. The tests showed that the contribution of the refractory shapes to the formation of occlusions in the sheets studied is slight. Presumably, the quality of the shapes is a more important factor that their type. Orig. art. has: 2 figures and 3 tables. [JPRS: 36,646]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 003
OTH REF: 004
Card 1/1 afs
UDC: 621.746.7[548.4]:621.384.2:620.19
0976 1108

NANDORY, G.

Examination of the physico-mechanical characteristics of cabled threads used for the manufacture of pneumatic tires; relation of twists and strength characteristics of c abled cotton threads. In English, p. 53.

ACTA TECHNICA. (Magyar Tudomanyos Akademia). Budapest, Hungary, Vol 22, No. 1/2, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959

Uncl.

SYRBU, P. [Sirbu, P.]; NANDRISH, A. [Nandris, A.]; FOTINO, Ye. [Fotino, E.]; ZUGREVESKU, A. [Zugravescu, A.]

Prevention and therapy of hemolytic disease of the newborn. Treatment of the sioimmunized puerpera with corticosteroids and of the newborn infant with blood transfusions and corticosteroids. Akush. i gin. 38 no.5:80-84 S-O '62.

(MIRA 17:11)

1. Iz gospitalya zhenskikh bolezney "Dzhulesht'",Bukharest i Instituta gematologii, Bukharest.

SHAPOSHNIKOV, I. V., MANDYAN, L. K.

Founding

Coreless casting of housing and lids for reduction gearing. Lit. proizv. No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

NANELIS, G.B.; RUBTSOV, Yu.I.; SMIRNOV, L.P.; DUBOVITSKIY, F.I.

Kinetics of thermal decomposition of pyroxylin. Kin.i kat. 3 no.1:42-48 '62. (MIRA 15:3)

1. Institut khimicheskiy fiziki AN SSSR.
(Nitrocellulose) (Heat of decomposition)

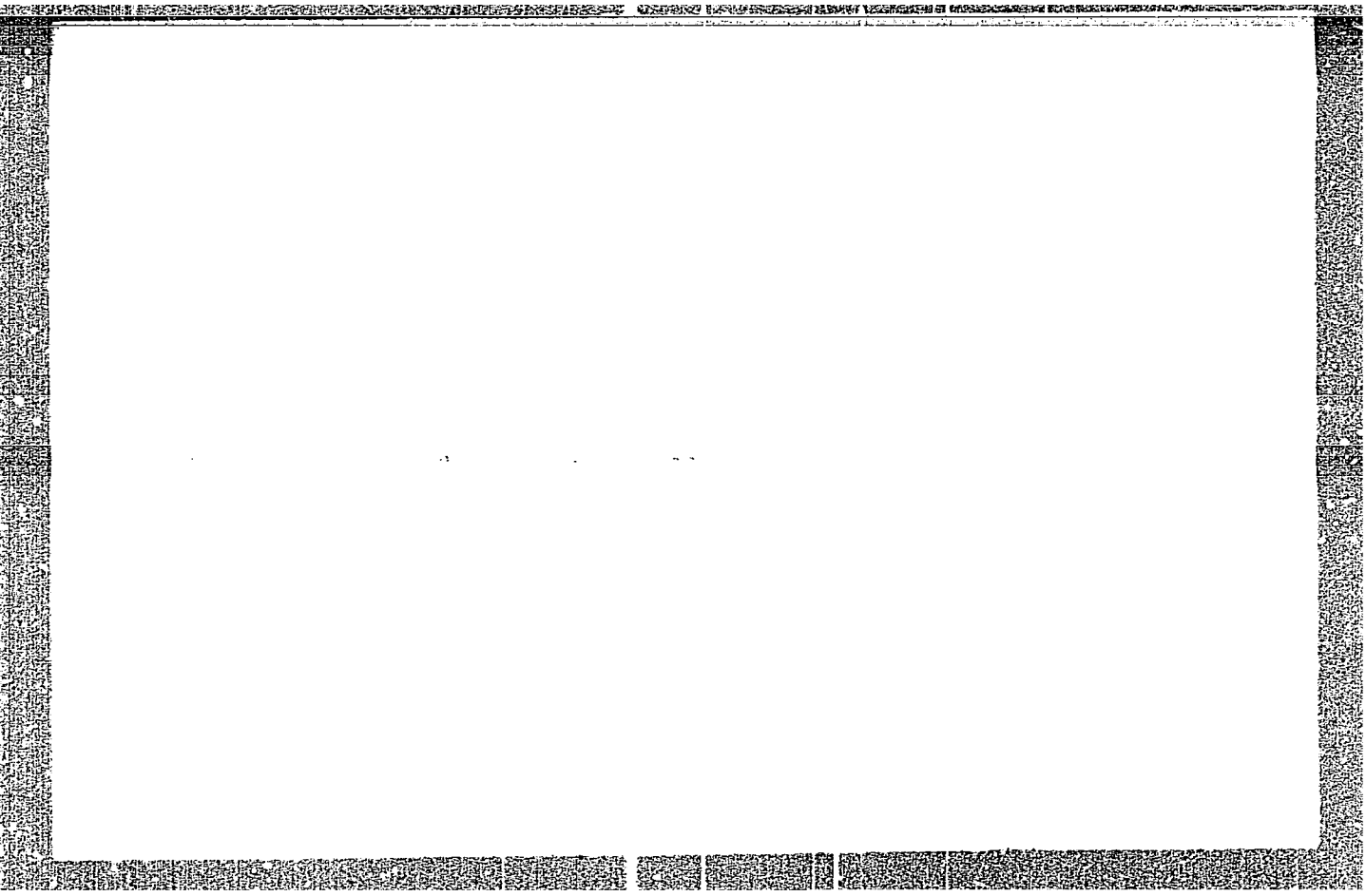
ALEXA, Gh.; CHIRITA, Gh.; CHIRITA, A.; MANCIU,M.; SCHIFTER, H.; NANESCU,V.

On the stability in time of physicochemical and chemical characteristics of leathers dressed by the combined formol and chromium method. Studia Univ B-B S Chem 8 no.1:509 '63

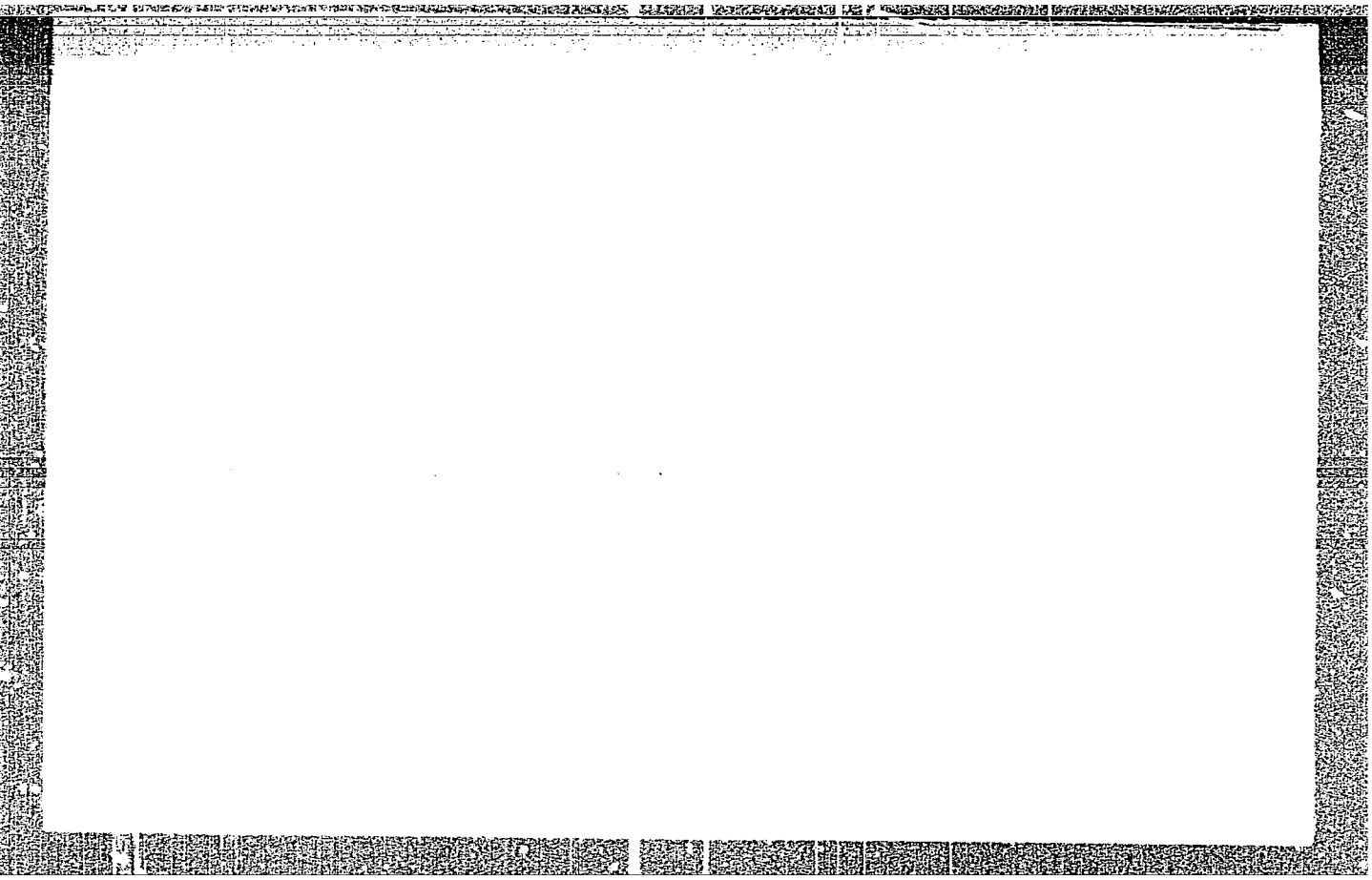
1. Iasi Polytechnic Institute.

ALEXA, Gheorghe, dr. ing., Prof. Emerit; CHIRTA, Gheorghe, conf. ing.; CHIRTA, Aglaia, lect. ing.; MANCIU, Maria, ing.; SCHIFTER, Hari, ing.; MANESCU, Valeriu, ing.

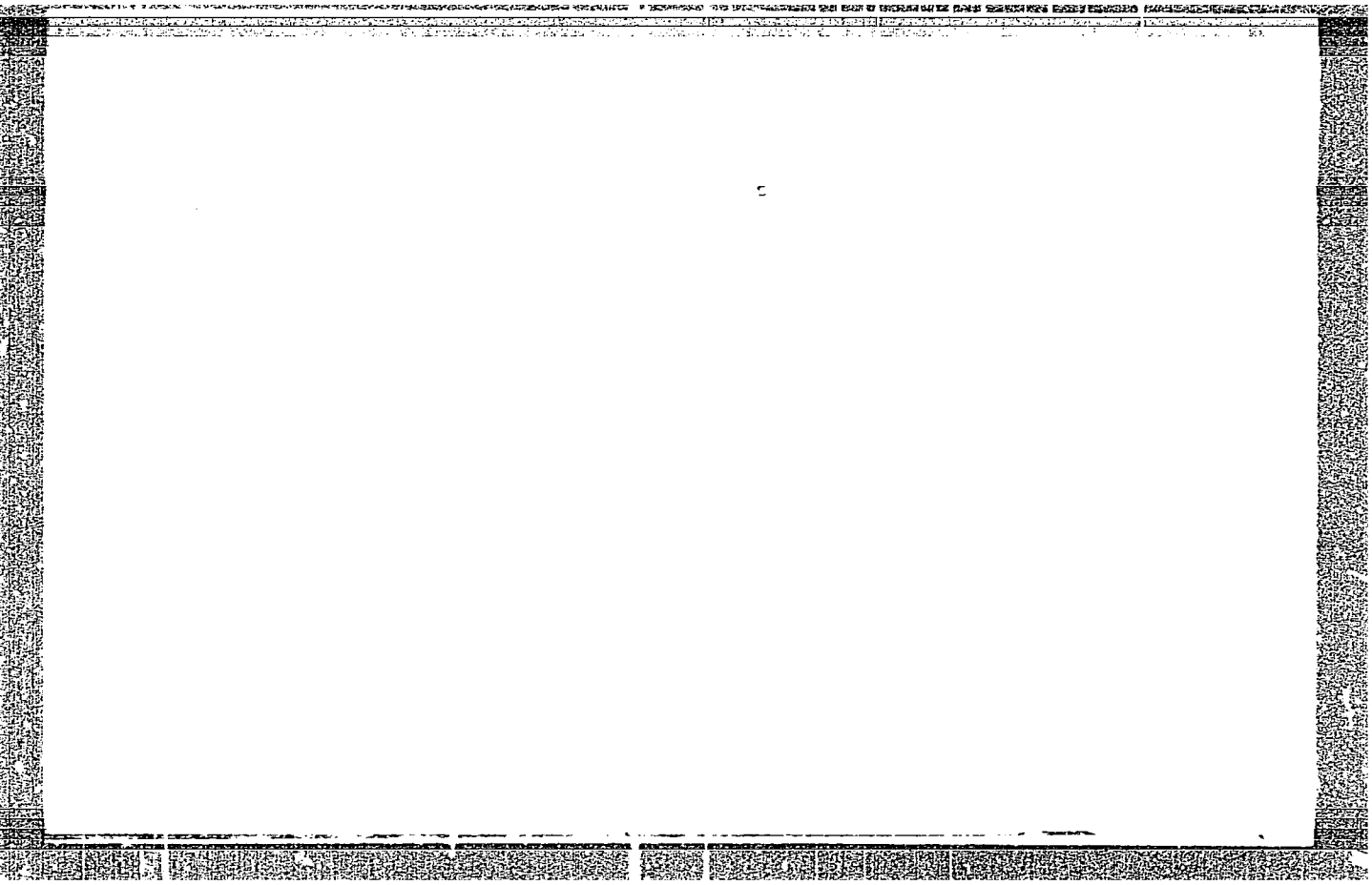
Stability in time of chemical and physical characteristics of leather tanned by a combination tannage with chromium and formaldehyde. Industria usoara 10 no.1:3-6 Ja '63.



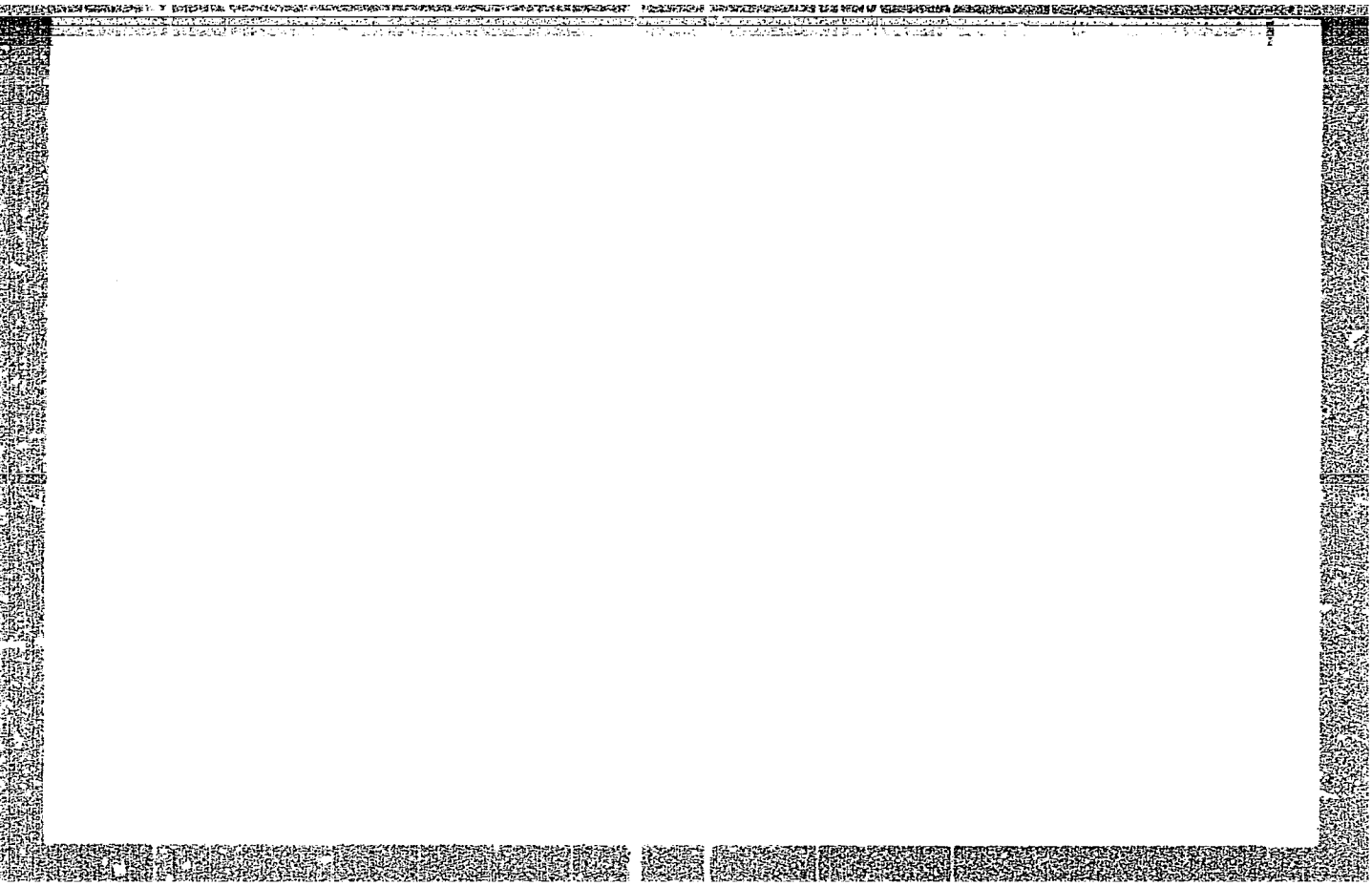
APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136020

NANEV, K.

Direct transformation of solar radiation into electric energy based on the external photoeffect. Fiz mat spisanie BAN 5 no.3:227-228 '62.

45769

S/194/62/000/012/074/101
D295/D308

9.4175

AUTHORS: Kănev, V. and Nanev, K.

TITLE: Photo-emission properties of antimony-cesium-rubidium layers

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1962, 56, abstract 12 Zh 353 (Dokl. Bolg. AN, v. 15, no. 2, 1962, 123-126 (Ger.; summary in Rus.))

TEXT: Photocathodes of an intermetallic compound of the conjectured formula $(Cs, Rb)_3Sb$ with a cubic lattice were made and investigated. Conductivity has been found experimentally to be of the hole type and the activation energy was 0.36 ev. The red limit of the spectral sensitivity of these photocathodes is found at about 700 mμ, and their integral sensitivity is twice the sensitivity of Cs_3Sb. An inflection point has been observed on the current-voltage characteristics in the voltage range of about 50 V, which has been interpreted by the authors to be due to the presence of two energy

Card 1/2

Photo-emission properties ...

spectra in the emitted electrons. Fatigue effects have been observed as well as the absence of temperature dependence of photo-electron emission in the interval 25 - 50°C. [Abstracter's note: Complete translation.]

Card 2/2

NANEV, K.

Effect of the photoelectromotive force in the layers Cs_3Sb. Doklady BAN 15 no.4:3..-359 '62.

1. Predstavleno E. Ddzhakovym [Dzhakov, E.].

NANEV, K.

Integral sensitivity of Cs_3Sb photocathode. Doklady BAN 16 no.5:501-504 '63.

1. Institut für Elektronik an der Bulgarischen Akademie der Wissenschaften. Vorgelegt von E. Djakov [Dzhakov, E.], korresp. Akademiemitglied.

NANEV, K.; PETROVA, R.; KANEV, V.

Photoemissive properties of the layers of cesium rubidium antimonide. Pt. 2. Doklady BAN 16 no. 8: 801-804 '63.

1. Vorgelegt von E. Djakov [Dzhakov, E.], korresp. Akademiemitglied.

NANEV, Kr.

Symposium on Photon Detectors. Fiz mat spisanie BAN 6 no. 3:217-218 '63.

KUNEV, V.; TENCHOV, Khr.; TSVETINOV, V. [deceased]; NANEV, Kr.; DENCHEV, K.

A new photoelectronic multiplier with rotational symmetry and bialkaline photocathode. Fiz mat spisanie BAN 7 no.1: 39-42 '64.

ORLINOV, V.; NANEV, K.

Eleventh Conference on Physical Bases of Cathode Electronics in Kiev (U.S.S.R.). Fiz mat spisanie BAN 7 no.1:68-70 '64.

BALABANOV, S.; DRAGNEV, T.; MARKOV, P.; NANEV, K.

Third National Conference on Physics. Fiz mat spisanie BAN 7 no.3:226-229 '64.

KANEV, V.; NANEV, K.; PETROVA, R.

Photoemission of antimony-rubidium-cesium photocathodes. Radiotekh. i elektron. 10 no.2:393-396 F '65.

(MIRA 18:3)

1. Institut elektroniki Bolgarskoy Akademii nauk.

NANEV, K.

Integral sensitivity of an antimony-cesium photocathode. Radiotekh. i elektron. 10 no.2:397-399 F '65.
(MIRA 18:3)

1. Institut elektroniki Bolgarskoy Akademii nauk.

ZURABASHVILI, A.D., akademik; KVALIASHVILI, A.A.; SEMENSKAYA, Ye. M.; NANEYSHVILI, B.R.; SHANIDZE, V.S.; KANDELAKI, K.I.; MACHABELI, M.I.; TORDIYA, M.V.

Effect produced on the organism by nonpenetrating cranial traumas combined with radiation injury. Soob. AN Gruz. SSR 20 no. 4:497-504 Ap '58. (MIRA 11:7)

1. AN GruzSSR (for Zurabashvili). 2. Tbilisskiy gosudarstvennyy meditsinskiy institut.

(BRAIN CONCUSSION)
(X RAYS--PHYSIOLOGICAL EFFECTS)

NANEYSHVILI, B. R.

Doc Med Sci - (diss) "Materials on the experimental-morphological study of acute changes of parenchymatous formations of the cortex of the cerebral hemispheres. (Dynamics of fine pathomorphology of dendritic offshoots)." Tbilisi, 1961. 52 pp; (Tbilisi State Medical Inst); 200 copies; price not given;list of author's works on pp 51-52 (18 entries); (KL, 6-61 sup, 235)

NANEYSHVILI, B.R.

Experimental morphological study of acute changes in the parenchymatour formations of the cerebral cortex. Soob.AN Gruz. SSR 24 no.6:749-754 Je '60. (MIRA 13:9)

1. Naucho-issledovatel'skiy institut psikhiatrii im. M.M.Asatiani, Tbilisi. Predstavleno akademikom A.D.Zurabishvili.
(CEREBRAL CORTEX)

NANEYSHVILI, B.R.; MACHAVARIANI, Sh.S.

Pathoarchitectonics of the central nervous system in terminal states caused by acute experimental pneumothorax and after resuscitation of the body. Eksper.khir.i anest. no.6:10-13 '61. (MIRA 15:5)

1. Iz Instituta perelivaniya krovi imeni akad. Mukhadze Ministerstva zdravookhraneniya Gruzinskoy SSR.
(NERVOUS SYSTEM) (PNEUMOTHORAX) (RESUSCITATION)
(DEATH, APPARENT)

BOKERIYA, M.S.; NANEYSHVILI, B.R.; NIZHARADZE, G.I.

Some problems in the pathomorphology of the central nervous system in young children with different forms of pneumonia. Soob. AN Gruz. SSR 26 no.5:619-621 My '61. (MIRA 14:8)

1. Tbilisskiy gosudarstvennyy institut usovershenstvovaniya vrachey. Predstavleno akademikom A.D.Zurabashvili.
(CHILDREN--DISEASES) (PNEUMONIA) (NERVOUS SYSTEM--DISEASES)

ZURABASHVILI, A.D., zasl. deyatel' nauki, akademik; NANEYSHVILI, B.R., doktor med. nauk; AVALIANI, N.M., red. izd-va; DZHAPARIDZE, N.A., tekhn. red.

[Problems in the pathoarchitectonics of radiation lesions] Voprosy patoarkhitektoniki luchevogo porazheniia. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 90 p. 35 illus. (MIRA 16:7)

1. Direktor Nauchno-issledovatel'skogo Instituta psikhiatrii Ministerstva zdravookhraneniya Gruzinskoy SSR , deystvitel'nyy chlen AMN SSSR (for Zurabashvili). 2. Rukovoditel' otdelom mozga Nauchno-issledovatel'skogo Instituta psikhiatrii Ministerstva zdravookhraneniya Gruzinskoy SSR (for Naneyshvili). (RADIATION SICKNESS) (PATHOLOGY, EXPERIMENTAL)

IOSELIANI, T.K.; NANEYSHVILI, T.L.; CHOKHELI, K.G.

Data on the interaction of responses from the spinal cord in paired stimulation of afferent nerves. Fiziol. zhur. 51 no.1:65-70 Ja '65. (MIRA 18:7)

1. Institut fiziologii Gruzinskoy SSR, Tbilisi.

CZECHOSLOVAKIA

NANGNIOT, P.

Laboratory of Analytical Chemistry, Faculty of Agronomical Sciences (Laboratoire de Chimie Analytique, Faculté de Sciences Agronomiques), Gembloux, Belgium

Prague, Collection of Czechoslovak Chemical Communications, No 12, Dec 1965, pp 4070-4077

"Polarographic quantities of molybdenum and tungsten in plants."

(Dedicated to the 75th birthday of Academician Prof. Dr. J. Heyrovsky."

NANI, Mariya Prokop'yevna; KATS, G., red.; TELPIS, V., tekhn. red.

[Obtaining 602 centners of sugar beets per hectare] 602 chentnere de sfekle de zakher la khektar. Kishineu, Editura de stat "Kariia moldoveniaske," 1959. 9 p. (MIRA 14:10)
(Moldavia—Sugar beets)

ZURABASHVILI, Zigurd Avlipiyevich; DZHAVAKHISHVILI, N.A., prof., red.; NANEYSHVILI, B.M., doktor med. nauk, prof., red.

[Problems of the pathological architectonics and histochemistry of the central nervous system under the effect of aminazine and tofranil] Voprosy patoarkhitektoniki i gistokhimii TsNS pri deistvii aminazina i tofranila. Tbilisi, Izd-vo AN Gruz.SSR, 1964. 117 p. (MIRA 17:10)

1. Chlen-korrespondent AN Gruz.SSR (for Dzhavakhishvili).

S/194/61/000/006/035/077
D201/D302

AUTHORS: Abdullayev, G.B., Nani, R.Kh. and Nasirov, Ya.N.

TITLE: Investigating the thermal and electric properties of indigenous cobaltite

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1961, 2, abstract 6 D8 (Izv. AN AzerbSSR, Ser. fiz.-matem. i tekhn. n, 1960, no. 3, 55-58) (Azerbaydzhan summary)

TEXT: Temperature dependence was investigated of electric conductance σ, thermal conductivity K and of thermal emf α of indigenous cobaltite, σ was measured in the temperature range 20-650°C, at room temperature σ has the value 12.8×10^{-2} ohm^{-1} cm^{-1}. With an increase of temperature to 530°C, σ increases 5 times and decreases with further temperature increase. At room temperature α is 33.0 microvolt per degree. The maximum value of α equal to 90 microvolt per degree corresponds to a tempera-

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S/194/61/000/006/035/077
D201/D302

Investigating the thermal...

ture of 480°C. With temperature increasing from room temperature to 100°C the K of cobaltite increases. 5 references. [Abstracter's note: Complete translation]

Card 2/2

S/058/62/000/005/092/119
A061/A101

AUTHORS: Antonov, V. B., Nani, R. Kh., Nasirov, Ya. N.

TITLE: A study of thermoelectric properties of natural cobaltite single crystals

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 33, abstract 5E264 ("Izv. AN AzerbSSR. Ser. fiz.-matem. i tekhn. n.", 1961, no. 4, 33-36 Azerb. summary)

TEXT: As is shown, natural cobaltite single crystals display typical semiconductor properties. The activation energy is of the order of 0.762 ev at 310 - 560°K, 465 ev at 180 - 280°K, and of the order of 0.2 ev at 120 - 160°K. At $T \leqslant 110^{\circ}K$, $\triangle E = 0$. The coefficient of thermo-emf at room temperature is ~90 μv/deg; on a rise of temperature it drops to ~50 μv/deg; at 150°C and above, up to 500°C, it remains practically constant.

[Abstracter's note: Complete translation]

Card 1/1

ANTONOV, V.B.; NANI, R.Kh.; NASIROV, Ya.N.

Physical properties of ternary semiconductor compounds. Izv. AN Azerb. SSR. Ser.fiz.-mat. i tekh.nauk no.5:75-78 '61. (MIRA 15:2)
(Semiconductors)

ANTONOV, V.B.; NANI, R.Kh.

Apparatus for quick determination of the temperature dependence of the conductance of semiconductors. Izv.AN BSSR Ser.fiz.-mat.i tekh.nauk no.6:45-48 '61. (MIRA 15:4)
(Semiconductors--Electric properties)

Study of monocrystalline n-TlSe and its rectifying properties.
G. A. Akhundov, G. B. Abdulayev, I. G. Aksianov.

(Not presented).]

Electro-physical properties of monocrystalline TlSe. G. A. Akhundov, G. B. Abdulayev, G. D. Guseynov, N. Kh. Aliyeva.

[Investigation of the electrical properties of germanium telluride.
G. B. Abdulayev, V. B. Antonov, Ya. N. Nasirov.

On studies of and some properties of monocrystalline GaTe and GaS.
G. A. Akhundov, G. B. Abdulayev, N. A. Gasanova, F. I. Ismailov.

[Investigation of some physical properties of the monocrystalline compounds $CuSbS_2$ and $CuSbSe_2$. G. B. Abdulayev, R. Kh. Nani, Ya. N. Nasirov, T. G. Osmanov.

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

ACCESSION NR: AP4027709 S/0233/63/000/006/0083/0086

AUTHORS: Abdullayev, G.B.; Nani, R.Kh.; Nasirov, Ya.N.

TITLE: Investigation of the physical properties of ternary semiconductor compounds. II. Certain properties of CuSbS sub 2 monocrystals

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiz.-matem. i tekhn. nauk, no. 6, 1963, 83-86

TOPIC TAGS: semiconductor, ternary compound, physical property, CuSbS sub 2, monocrystal, polycrystal, preparation, thermoelectric property, synthesis, thermoelectromotive force, energy of activation, zone melting, heat conductivity, electric conductivity

ABSTRACT: Samples of $CuSbS_2$ polycrystals and monocrystals were prepared and their thermoelectric properties investigated. $CuSbS_2$ was prepared by elementary synthesis, and heating with agitation at 1500K for 8-10 hours under 10^{-4} mm Hg. vacuum. The material, remelted at 1200K, was uniform with no traces of crystals and showed semiconductor properties. Its electric conductivity increases from 0.08 to 7.0 ohm^{-1} cm^{-1} with an increase in temperature from room

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ACCESSION NR: AP4027709

temperature to 700K while its thermoelectromotive force decreases with temperature from 950 to 120 microvolts/°K from room temperature to 700K. The energy of activation of the polycrystalline material is $\Delta E = 0.24$ ev. $CuSbS_2$ monocrystals were obtained by zone melting under 2 atmosphers argon with supplementary heating in the non-melting zone to 10-15K below the melting temperature of the compound. For the monocrystals at room temperature, electric conductivity is 0.024 ohm^{-1} cm^{-1} and thermo e.m.f. is 1200 microvolts/°K. Melting temperature is 535C. It was specifically determined that the electric conductivity increases with temperature (E in the 300-500K range = 0.8 ev.), and that the thermo e.m.f. drops with an increase in temperature; monocrystals and polycrystals follow essentially the same relationship. It was further found that the heat conductivity decreases from 80 to 300K and then increases; its minimum is at room temperature. Orig. art. has: 1 table and 4 figures.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 17Apr64 ENCL: 00

SUB CODE: PH NR REF SOV: 005 OTHER: 002

Card 2/2

ABDULLAYEV, G.B.; ANTONOV, V.B.; NANI, R.Kh.; NASIROV, Ya.N.

Some properties of $CuSbSe_2$ single crystals. Trudy Inst. fiz. AN Azerb. SSR 11:42-45 '63. (MIRA 16:4)
(Copper-antimony-selenium alloys) (Crystallography)

ACCESSION NR: AP4041385 S/0048/64/028/006/1096/1099

AUTHOR: Abdullayev,G.B.; Nani,R.Kh.; Nasirov,Ya.N.; Osmanov,T.G.

TITLE: Investigation of some physical properties of copper antimony sulfide and copper antimony selenide single crystals /Report, Third Conference on Semiconductor Compounds held in Kishinev 16 to 21 Sep 1963/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.6, 1964, 1096-1099

TOPIC TAGS: semiconductor, semiconductor property, copper compound, antimony compound, sulfur compound, selenide compound, single crystal study

ABSTRACT: $CuSbS_2$ and $CuSbSe_2$ were synthesized, single crystals were grown, some physical properties of the materials were measured, and the results are presented graphically. The reagents were spectroscopically pure sulfur, electrolytic copper, 99.999% selenium, and "grade Su-000" antimony. Synthesis was by melting in vacuo with mechanical vibration. The melt was cooled slowly to 1500°K and held at that temperature for 8 to 10 hours. The ingots were homogenized by remelting at 1200°K. Single crystals were produced by zone refining in an argon atmosphere with the use of an auxiliary heater. Eighteen to twenty passes were made at 12 mm/hour. X-ray

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ACCESSION NR: AP4041385

diffraction studies showed the resulting specimens to be single crystals with somewhat distorted structure due, possibly, to the anisotropy of the thermal expansion coefficient. The electric conductivity, thermal conductivity, thermal emf and Hall coefficient were measured over various temperature ranges between 80 and 700°K. It was possible to measure the Hall coefficient of the sulfide only at room temperature because of the low mobility of the current carriers. The electric conductivity of both compounds increased with increasing temperature over the complete range investigated. The activation energy in the sulfide was 0.25 eV below 500°K and 0.75 eV above this temperature. In the selenide the activation energy was 0.16 eV below 350°K and 0.43 eV above 400°K. The slope of the resistivity-temperature curve for the selenide was very small between 350 and 400°K. The increase of activation energy at the higher temperatures was not observed in the polycrystalline materials. The thermal emf of both compounds decreased monotonically with increasing temperature. The thermal conductivity of both materials decreased with increasing temperature at low temperatures and increased with increasing temperature at high temperatures. The minimum occurred at 273°K for the sulfide and 300°K for the selenide. The behavior at low temperatures is ascribed to Cu-Sb ordering, and that at high temperatures to energy transport by electron-hole pairs. The compound with the lower molecular weight had the greater thermal conductivity, in accord with the views

Card 2/3

ACCESSION NR: AP4041385

of L.S.Stil'bans, B.A.Yefimova and L.M.Stavitskaya (Fiz.tverdogo tela,1,1325,1959). The mobility of the current carriers in the selenide was proportional to $T^{-3/2}$ at the lower temperatures and to $T^{-5/2}$ at the higher. Orig.art.has: 9 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00

SUB CODE: SS, IC NR REF SOV: 008 OTHER: 003

Card 3/3

L 4581-66 EWT(m)/EWP(w)/ETC/EWG(m)/T/EWP(b)/EWP(t) IJP(c) RDW/JD

ACCESSION NR: AP5020179 UR/0233/65/000/002/0079/0082

AUTHOR: Nani, R. Kh.; Nasirov, Ya. N.; Osmanov, T. G.

TITLE: Investigation of the thermal properties of the system $CuSbTe_2$-SnTe

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 2, 1965, 79-82

TOPIC TAGS: copper alloy, tin containing alloy, telluride, thermal conduction, thermal property

ABSTRACT: The authors investigated the dependence of the thermal and electric properties of the system $[CuSbTe_2]_y$--$[SnTe]_{1-y}$ on the composition (y), for values of y = 0, 0.2, 0.4, 0.6, 0.8, and 1.0. Expressions based on the Wiedemann-Franz law were used to calculate the reduced chemical potential μ^*, the lattice and electronic components of the thermal conductivity, and the thermal resistance of the solid solution for the investigated compositions of the system. The results show that the thermal conductivity of the lattice has a minimum at $0.4 < y < 0.6$. The results indicate that the system $CuSbTe_2$-SnTe can form a continuous series of solid solutions. Orig. art. has: 1 figure, 8 formulas, and 2 tables.

ASSOCIATION: none

Card 1/2

L 4581-66

ACCESSION NR: AP5020179

SUBMITTED: 00 ENCL: 00 SUB CODE: SS, TD

NR REF SOV: 004 OTHER: 010

Card 2/2

USSR/Medicine - Veterinary, Atrophic Rhinitis

Card 1/1

Author : Pashov, T. V., Pustovar, Ya. P., and Nani, S. P.

Title : Chronic atrophic rhinitis in pigs, and preventive measures

Periodical : Veterinariya, 31, 34-40, Apr 1954

Abstract : Manifestation and extent of prevalence of chronic atrophic rhinitis in pigs is directly connected with nutrition, maintenance, and sanitation. Exercise of rigid precaution in known cases of the disease is requisite. It has not yet been determined what specific organism causes chronic atrophic rhinitis; further experimental research is required to clarify the role that Bacillus pyocyaneus plays in the morbid process. Sinusitis, bronchopneumonia, otitis, and meningo-encephalitis are some of the complications that may be present in pigs affected with this disease. Illustrations.

Institution : Poltava Inter-Sovkhoz Veterinary Bacteriological Laboratory

Submitted :

MIKHAL'KOV, P.V.; NANIKOV, B.A.

Physicochemical properties of the petroleums of fields in Volgograd Province. Trudy VNIING no.2:87-90 '63.
(MIRA 17:5)